

MoLa ROD PRODUCTS MATERIAL DATA SHEET

Elmet Technologies manufactures high quality Mo-La₂O₃ rods for use in furnace components and other applications that require high strength and creep resistance at high temperatures.

DIMENSIONAL PROPERTIES

STANDARD PRODUCT SIZES

Diameter	0.125 – 0.625"	3 – 16 mm	>0.625 – 1.25"	>16 – 32 mm
Diameter tolerance Black/cleaned	± 0.010"	± 0.25 mm	± 0.015"	± 0.38 mm
Ground	± 0.002"	± 0.05 mm	± 0.005"	± 0.13 mm
Length	0.5 – 92"	12.7 – 2350 mm	0.5 – 36"	12.7 – 910 mm
Length tolerance <12" (305 mm)	± 0.015"	± 0.38 mm	± 0.015"	± 0.38 mm
12-24" (305-610 mm)	± 0.015"	± 0.38 mm	± 0.030"	± 0.76 mm
>24" (610 mm)	± 0.0625"	± 1.59 mm	± 0.0625"	± 1.59 mm
Straightness deviation	≤ 0.050"/ft	≤ 4.17 mm/m	≤ 0.050"/ft	≤ 4.17 mm/m

Other sizes, tolerances, and properties may be available as special order

CHEMICAL COMPOSITION

Mo	≥ 99.55 wt%	La	0.15-0.31 wt%
La ₂ O ₃	0.3 wt% nominal	N	≤ 20 ppm
C	≤ 50 ppm	Ni	≤ 50 ppm
Cr	≤ 50 ppm	O (inclusive of La ₂ O ₃)	≤ 600 ppm
Fe	≤ 50 ppm	Si	≤ 25 ppm
K	≤ 30 ppm	W	≤ 300 ppm

All other metallic elements are contained at ≤ 20 ppm

Other chemistries may be available as special order

All products are compliant with EU RoHS Directive 2002/95/EC, 2011/65/EU

www.elmettechnologies.com